

AMENDMENTS TO THE CLAIMS

Please amend the claims as set forth below in marked-up form:

1. (Currently amended) A head system for performing azimuth recording on a recording medium by use of a plurality of recording heads, wherein:

said head system comprises a first recording head including a plurality of first magnetic gaps having a first azimuth angle, and a second recording head including a plurality of second magnetic gaps having a second azimuth angle different from said first azimuth angle; and

a positional relationship between said first and second magnetic gaps is so determined that in relation to each magnetization pattern formed on said recording medium by said first magnetic gaps of said first recording head, side edge portions in the formation direction of said patterns are overwritten by said second magnetic gaps of said second recording head, wherein

said first and second recording heads are thin-film heads, and a single head chip constituting each said recording head is provided with a plurality of magnetic gaps and wherein

said first and second recording heads are mounted on a rotary drum, and each of said magnetization patterns formed on said recording medium is an inclined track.

2. (Currently amended) [A] The head system as set forth in claim 1, wherein

said overwriting is conducted with such a positional relationship that a side edge portion of said magnetization pattern in the formation direction of said magnetization pattern formed by each said first magnetic gap of said first recording head coincides substantially with the center of each magnetization pattern formed by said second recording head, wherein

said first and second recording heads are thin-film heads, and a single head chip constituting each said recording head is provided with a plurality of magnetic gaps.

3. (Canceled)

4. (Canceled)

5. (Currently amended) A recording and reproduction system for performing azimuth recording on a tape form recording medium by a plurality of recording heads, said system comprising a head system having a plurality of said recording heads, and a tape feeding means for feeding said tape form recording medium, wherein

said head system comprises a first recording head including a plurality of magnetic gaps having a first azimuth angle, and a second recording head including a plurality of magnetic gaps having a second azimuth angle different from said first azimuth angle, and

a positional relationship between said magnetic gaps is so determined that in relation to each magnetization pattern formed on said tape formed on said recording medium by said magnetic gaps of said first recording head, side edge portions in the formation direction of said patterns are overwritten by said magnetic gaps of said second recording head, wherein

said first and second recording heads are thin-film heads, and a single head chip constituting each said recording head is provided with a plurality of magnetic gaps and wherein

said first and second recording heads are mounted on a rotary drum, and each of said magnetization patterns formed on said recording medium is an inclined track.

6. (Currently amended) [A] The recording and reproduction system as set forth in claim 5, wherein

said overwriting is conducted with such a positional relationship that a side edge portion of said magnetization pattern in the formation direction of said magnetization pattern formed by each said magnetic gap of said first recording head coincides substantially with the center of each magnetization pattern formed by said second recording head.

7. (Canceled)

8. (Canceled)

9. (Original) A magnetic recording method for performing azimuth recording on a recording medium by use of a plurality of recording heads, comprising the steps of:

forming first magnetization patterns on said recording medium by a first recording head comprising a plurality of magnetic gaps having a first azimuth angle; and

forming second magnetization patterns on said recording medium by overwriting side edge portions in the formation direction of said first magnetization patterns by a second recording head comprising a plurality of magnetic gaps having a second azimuth angle different from said first azimuth angle, wherein

said first and second recording heads are mounted on a rotary drum, and each of said magnetization patterns formed on said recording medium is an inclined track.

10. (Currently amended) [A] The magnetic recording method as set forth in claim 9, wherein said overwriting is conducted with such a positional relationship that a side edge portion in the formation direction of said first magnetization pattern coincides substantially with the center in the width direction of said second magnetization pattern.

11. (Canceled).